

# Material Safety Data Sheet

Date of Preparation: 03/92

MUSCLE

Revision: 03/16/09

## Section 1 - Chemical Product and Company Identification

Product/Chemical Name: MUSCLE

Chemical Formula:

CAS Number:

Other Designations:

General Use:

Manufacturer: MIRANDY PRODUCTS, LLC., 1078 GRAND AVENUE, S. HEMPSTEAD, NY 11550

(516) 489-6800

**HMIS**

**H #**

**F #**

**R #**

**PPE†**

†Sec. 8

### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
PETROLEUM NAPHTHA	8052-41-3	
HYDROTREATED LIGHT NAPHTHENIC DISTILLATE, PETROLEUM	64742-53-6	
HYDROTREATED HEAVY NAPHTHENIC DISTILLATE, PETROLEUM	64742-52-5	

DOT Shipping Classification: Combustible Liquid UN#1255

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
PETROLEUM NAPHTHA	500ppm	500ppm	500ppm	500ppm	NA	NA	NA
HYDROTREATED LIGHT NAPHTHENIC DISTILLATE, PETROLEUM	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>			
HYDROTREATED HEAVY NAPHTHENIC DISTILLATE, PETROLEUM							

Toxicity Data:

## Section 3 - Physical and Chemical Properties

**Physical State:**

**Appearance and Odor:** Natural colored liquid, characteristic solvent odor

**Odor Threshold:**

**Vapor Pressure** <10@ 77F

**Vapor Density (Air=1):** >5

**Formula Weight:**

**Density:**

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** <1

**pH:**

**Water Solubility:** Negligible

**Other Solubilities:**

**Boiling Point:** 330-450F

**Freezing/Melting Point:** N/A

**Viscosity:**

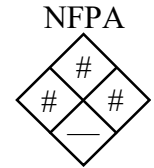
**Refractive Index:**

**Surface Tension:**

**% Volatile:**

**Evaporation Rate:** <0.1

## Section 4 - Fire-Fighting Measures

**Flash Point:****Flash Point Method:** 105-114F**Autoignition Temperature:****LEL:** 1**UEL:** 6**Flammability Classification:****Extinguishing Media:** Water Fog, Dry Chemical, Foam or Carbon Dioxide**Unusual Fire or Explosion Hazards:** Containers exposed to intense heat from fire should be cooled with water to prevent vapor pressure build-up which could result in container rupture. Container areas exposed to direct flame should be cooled with large quantities of water to prevent weakening of container structure.**Hazardous Combustion Products:****Fire-Fighting Instructions:** Self-contained breathing apparatus and full bunker gear recommended for fire fighters. Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool.**Fire-Fighting Equipment:** NA

## Section 5 - Stability and Reactivity

**Stability:** Stable**Polymerization:** Hazardous polymerization will not occur.**Chemical Incompatibilities:** Avoid heat, open flame and contact with strong oxidizing agents such as Liquid Chlorine, Concentrated Oxygen, Sodium or Calcium Hypochlorate.**Conditions to Avoid:** None**Hazardous Decomposition Products:** Carbon Monoxide and unidentified organic compounds during combustion.

## Section 6 - Health Hazard Information

### Potential Health Effects

**Primary Entry Routes:** Inhalation, Skin, Ingestion**Target Organs:****Acute Effects****Inhalation:** High vapor concentrations may be irritating to the nose, respiratory tract and may cause CNS depression, evidenced in giddiness, dizziness and nausea. In extreme cases, unconsciousness and death may occur.**Eye:** May be eye irritant.**Skin:** Prolonged or repeated exposure may result in Dermatitis.**Carcinogenicity:** No**Medical Conditions Aggravated by Long-Term Exposure:** Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.**Chronic Effects:**  
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### Emergency and First Aid Procedures

**Inhalation:** Remove to fresh air. Use artificial respiration if necessary and get medical attention.**Eye Contact:** Flush with water. See physician if irritation persists.**Skin Contact:** Flush with water. See physician if irritation persists.**Ingestion:** Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Get medical attention.*After first aid, get appropriate in-plant, paramedic, or community medical support.***Note to Physicians:****Special Precautions/Procedures:**

## Section 7 - Spill, Leak, and Disposal Procedures

**Spill /Leak Procedures:** Keep source of ignition and hot metal surfaces away from spill.**Small Spills:** Small spills may be picked up with absorbent and placed in non-leaking containers for disposal.**Large Spills:** Dike and contain large spills.**Containment:****Cleanup:****Regulatory Requirements:**

**Disposal:** Seal and label containers properly and dispatch to approved waste disposal facility in accordance with federal, state and local regulations. Prevent spills from entering sewers, storm drains and natural waterways.

**Disposal Regulatory Requirements:**

**Container Cleaning and Disposal:**

**Ecological Information:**

**Precautions for Storing and Handling:** Avoid inhalation of vapors. No smoking near this product. Remove saturated clothing and flush affected areas.

**Other Precautions:** Even empty containers may contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on/or near containers.

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**

**Ventilation:**

**Administrative Controls:**

**Respiratory Protection:** Explosion proof ventilation as required to control vapor concentrations within suggested PEL/TLV.

**Protective Clothing/Equipment:** Wear chemically resistant gloves. Wear safety glasses or goggles. Wear chemical resistant clothing.

**Safety Stations:** Safety shower, eye bath and washing facilities.

**Contaminated Equipment:** Launder contaminated clothing before reuse.

**Comments:** Wash thoroughly after handling.